

L Number	Hits	Search Text	DB	Time stamp
1	0	hamilton-joshua-w.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:39
2	0	stanton-bruce-a.in..in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:39
3	0	stanton-bruce-a.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:39
5	20	cfr same gfp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:42
6	1109	egfp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/15 14:42

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPlus records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPlus
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS EXPRESS			DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:43:19 ON 15 JAN 2004

=> file medline biosis embase caplus
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ENTRY	SESSION
0.21	0.21

FILE 'MEDLINE' ENTERED AT 14:43:35 ON 15 JAN 2004

FILE 'BIOSIS' ENTERED AT 14:43:35 ON 15 JAN 2004
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=> s cftr (s) gfp
L1 58 CFTR (S) GFP

=> s cftr (s) egfp
L2 4 CFTR (S) EGFP

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 4 DUP REM L2 (0 DUPLICATES REMOVED)

=> d l3 total ibib kwic

L3 ANSWER 1 OF 4 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 2003433559 EMBASE

TITLE: Targeting expression of a transgene to the airway surface
epithelium using a ciliated cell-specific promoter.

AUTHOR: Ostrowski L.E.; Hutchins J.R.; Zakel K.; O'Neal W.K.

CORPORATE SOURCE: L.E. Ostrowski, Cystic Fibrosis/Pulmonary Research,
Treatment Center, University of North Carolina, 6123A
Thurston-Bowles Building, Chapel Hill, NC 27599-7248,
United States. ostro@med.unc.edu

SOURCE: Molecular Therapy, (2003) 8/4 (637-645).
Refs: 41

ISSN: 1525-0016 CODEN: MTOHCK

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 015 Chest Diseases, Thoracic Surgery and Tuberculosis
022 Human Genetics
029 Clinical Biochemistry
037 Drug Literature Index
039 Pharmacy

LANGUAGE: English

SUMMARY LANGUAGE: English

AB . . . use of these promoters for gene therapy of cystic fibrosis (CF)
may produce undesirable effects by directing high levels of **CFTR**
expression in cells that normally do not synthesize this protein. In
contrast, a vector containing a ciliated cell-specific promoter and . . .
the lung would be active only in the ciliated cells that line the surface
of the airways. Ciliated cells express **CFTR** and are in direct
contact with the airway surface liquid normally regulated by **CFTR**
. To develop a ciliated cell-specific promoter for CF gene therapy, we
have characterized the promoter region of the FOXJ1 gene, . . . a
transcription factor required for ciliated cell differentiation. A
fragment of the human FOXJ1 promoter region was inserted into an
EGFP expression cassette and used to produce transgenic mice.
Transgene-positive animals demonstrated strong **EGFP** expression
in the ciliated cells of tracheal, bronchial, and nasal epithelium. Our

results demonstrate that elements within the FOXJ1 promoter. . .

L3 ANSWER 2 OF 4 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
ACCESSION NUMBER: 2002244270 EMBASE
TITLE: Adeno-associated virus (AAV)-mediated gene transfer in
respiratory epithelium and submucosal gland cells in human
fetal tracheal organ culture.
AUTHOR: Lim F.-Y.; Martin B.G.; Sena-Esteves M.; Radu A.;
Crombleholme T.M.
CORPORATE SOURCE: Dr. T.M. Crombleholme, Division of Pediatric Surgery,
Children's Inst. for Surg. Science, Children's Hospital of
Philadelphia, 34th St and Civic Center Boulevard,
Philadelphia, PA 19104, United States
SOURCE: Journal of Pediatric Surgery, (2002) 37/7 (1051-1057).
Refs: 32
ISSN: 0022-3468 CODEN: JPDSA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Conference Article
FILE SEGMENT: 007 Pediatrics and Pediatric Surgery
011 Otorhinolaryngology
022 Human Genetics
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

AB Background/Purpose: Since the discovery of the cystic fibrosis
transmembrane regulator (**CFTR**) gene, cystic fibrosis has been an
attractive target for gene therapy. Postnatal gene transfer in the
respiratory epithelium has been difficult and particularly inefficient in
the submucosal gland cells, the target cells for **CFTR** gene
transfer. The authors hypothesized that during development, there is a
favorable environment for fetal gene therapy with fewer physical. . .
novel human fetal tracheal organ culture system using a serotype 2
recombinant AAV that contains an enhanced green fluorescent protein (**eGFP**)
reporter gene (AAV-CMV-**eGFP**). Methods: Human fetal
tracheas at between 16 and 20 weeks' gestation age were used in this
study. The distal end. . . the open proximal end facing up. Only the
ante-lumenal surface was exposed to culture media. 5 x 10(9) particles of
AAV-CMV-**eGFP** were administered intratracheally through the open
end. Fetal tracheas were maintained in tracheal organ culture media and
harvested at either. . . after injection. The fetal tracheas were
processed for routine H&E, standard electron microscopy (EM), and
fluorescence microscopy for analysis of **eGFP** transgene
expression. Results: Histology confirmed the preservation of structural
integrity out to 4 weeks of fetal tracheal organ culture. EM showed intact
tight junctions of the apical respiratory epithelium. At 2 weeks after
AAV-CMV-**eGFP** injection, there was minimal transgene expression.
However, at 4 weeks there was extensive transgene expression in not only
the respiratory. . .

L3 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:492179 BIOSIS
DOCUMENT NUMBER: PREV200300486951
TITLE: An engineered genomic CFTR-GFP fusion gene is expressed and
correctly spliced on human artificial chromosomes.
AUTHOR(S): Schindelhauer, D. [Reprint Author]; Laner, A.; Christan,
S.; Cattani, S.; Ramalho, A.; Marques, B.; Beck, S.;
Amaral, M.
CORPORATE SOURCE: Institute of Human Genetics, Technical University, Munich,
Germany
SOURCE: European Journal of Human Genetics, (2002) Vol. 10, No.
Supplement 1, pp. 301. print.
Meeting Info.: European Human Genetics Conference 2002 in
conjunction with the European Meeting on Psychosocial

Aspects of Genetics 2002. Strasbourg, France. May 25-28,
2002. European Society of Human Genetics (ESHG).
ISSN: 1018-4813.

DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)

LANGUAGE: English

ENTRY DATE: Entered STN: 22 Oct 2003
Last Updated on STN: 22 Oct 2003

GEN **CFTR-EGFP** fusion gene; GFP gene; human CFTR gene
(Hominidae)

L3 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2003:492178 BIOSIS

DOCUMENT NUMBER: PREV200300486950

TITLE: PAC based engineering and expression of a genomic CFTR-GFP
fusion gene.

AUTHOR(S): Laner, A. [Reprint Author]; Ramalho, A.; Cattani, S.
[Reprint Author]; Christan, S. [Reprint Author]; Marques,
B.; Beck, S.; Amaral, M.; Schindlbauer, D. [Reprint Author]

CORPORATE SOURCE: Dept. Medical Genetics, Childrens Hospital, Ludwig
Maximilians University, Munich, Germany

SOURCE: European Journal of Human Genetics, (2002) Vol. 10, No.
Supplement 1, pp. 300-301. print.
Meeting Info.: European Human Genetics Conference 2002 in
conjunction with the European Meeting on Psychosocial
Aspects of Genetics 2002. Strasbourg, France. May 25-28,
2002. European Society of Human Genetics (ESHG).
ISSN: 1018-4813.

DOCUMENT TYPE: Conference; (Meeting)
Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 22 Oct 2003
Last Updated on STN: 22 Oct 2003

GEN **CFTR-EGFP** fusion gene; GFP gene; human CFTR gene
(Hominidae)

=> d his

(FILE 'HOME' ENTERED AT 14:43:19 ON 15 JAN 2004)

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 14:43:35 ON 15 JAN 2004

L1 58 S CFTR (S) GFP
L2 4 S CFTR (S) EGFP
L3 4 DUP REM L2 (0 DUPLICATES REMOVED)

=> s cftr (s) gfp (s) fusion (s) identif?
L4 0 CFTR (S) GFP (S) FUSION (S) IDENTIF?

=> s cftr (s) gfp (s) fusion
L5 17 CFTR (S) GFP (S) FUSION

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6 8 DUP REM L5 (9 DUPLICATES REMOVED)

=> d l6 total ibib kwic

L6 ANSWER 1 OF 8 MEDLINE on STN DUPLICATE 1

ACCESSION NUMBER: 2003293095 MEDLINE

DOCUMENT NUMBER: 22704610 PubMed ID: 12820661

TITLE: GFP-tagged CFTR transgene is functional in the G551D cystic

fibrosis mouse colon.
AUTHOR: Oceandy D; McMorran B; Schreiber R; Wainwright B J;
Kunzelmann K
CORPORATE SOURCE: Institute for Molecular Biosciences, The University of
Queensland, St. Lucia QLD 4072, Australia.
SOURCE: JOURNAL OF MEMBRANE BIOLOGY, (2003 Apr 1) 192 (3) 159-67.
Journal code: 0211301. ISSN: 0022-2631.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20030625
Last Updated on STN: 20031113.
Entered Medline: 20031112

AB . . . the trafficking of CFTR to be studied in vitro and in vivo. In
previous studies it has been demonstrated that **fusion** of the
green fluorescent protein (**GFP**) to the N-terminus of
CFTR does lead to functional expression of **CFTR** chloride
channels in epithelial cell lines. The aim of the present study was to
examine whether it is possible to. . .

L6 ANSWER 2 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:492179 BIOSIS
DOCUMENT NUMBER: PREV200300486951
TITLE: An engineered genomic **CFTR-GFP**
fusion gene is expressed and correctly spliced on
human artificial chromosomes.
AUTHOR(S): Schindelbauer, D. [Reprint Author]; Laner, A.; Christan,
S.; Cattani, S.; Ramalho, A.; Marques, B.; Beck, S.;
Amaral, M.
CORPORATE SOURCE: Institute of Human Genetics, Technical University, Munich,
Germany
SOURCE: European Journal of Human Genetics, (2002) Vol. 10, No.
Supplement 1, pp. 301. print.
Meeting Info.: European Human Genetics Conference 2002 in
conjunction with the European Meeting on Psychosocial
Aspects of Genetics 2002. Strasbourg, France. May 25-28,
2002. European Society of Human Genetics (ESHG).
ISSN: 1018-4813.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 22 Oct 2003
Last Updated on STN: 22 Oct 2003

TI An engineered genomic **CFTR-GFP fusion** gene
is expressed and correctly spliced on human artificial chromosomes.

L6 ANSWER 3 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:492178 BIOSIS
DOCUMENT NUMBER: PREV200300486950
TITLE: PAC based engineering and expression of a genomic
CFTR-GFP fusion gene.
AUTHOR(S): Laner, A. [Reprint Author]; Ramalho, A.; Cattani, S.
[Reprint Author]; Christan, S. [Reprint Author]; Marques,
B.; Beck, S.; Amaral, M.; Schindlbauer, D. [Reprint Author]
CORPORATE SOURCE: Dept. Medical Genetics, Childrens Hospital, Ludwig
Maximilians University, Munich, Germany
SOURCE: European Journal of Human Genetics, (2002) Vol. 10, No.
Supplement 1, pp. 300-301. print.
Meeting Info.: European Human Genetics Conference 2002 in
conjunction with the European Meeting on Psychosocial
Aspects of Genetics 2002. Strasbourg, France. May 25-28,

2002. European Society of Human Genetics (ESHG).
ISSN: 1018-4813.

DOCUMENT TYPE: Conference; (Meeting)
Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 22 Oct 2003
Last Updated on STN: 22 Oct 2003

TI PAC based engineering and expression of a genomic **CFTR-GFP fusion** gene.

L6 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:936513 CAPLUS

DOCUMENT NUMBER: 136:196467

TITLE: Trafficking of GFP-tagged .DELTA.F508-CFTR to the plasma membrane in a polarized epithelial cell line

AUTHOR(S): Loffing-Cueni, Dominique; Loffing, Jan; Shaw, Collin; Taplin, Amilyn M.; Govindan, Malu; Stanton, Caitlin R.; Stanton, Bruce A.

CORPORATE SOURCE: Department of Physiology, Dartmouth Medical School, Hanover, NH, 03755, USA

SOURCE: American Journal of Physiology (2001), 281(6, Pt. 1), C1889-C1897
CODEN: AJPHAP; ISSN: 0002-9513

PUBLISHER: American Physiological Society

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT **Fusion** proteins (chimeric proteins)
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(GFP - .DELTA.F508-CFTR; trafficking of GFP -tagged .DELTA.F508-CFTR to plasma membrane in polarized epithelial cell line)

L6 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:732756 CAPLUS

DOCUMENT NUMBER: 136:50604

TITLE: Confocal imaging of GFP-labeled ion channels

AUTHOR(S): Moyer, Bryan D.; Stanton, Bruce A.

CORPORATE SOURCE: Department of Cell Biology, The Scripps Research Institute, San Diego, CA, USA

SOURCE: Ion Channel Localization (2001), 187-214. Editor(s): Lopatin, Anatoli N.; Nichols, Colin G. Humana Press Inc.: Totowa, N. J.
CODEN: 69BXDC

DOCUMENT TYPE: Conference

LANGUAGE: English

REFERENCE COUNT: 93 THERE ARE 93 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT **Fusion** proteins (chimeric proteins)
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(GFP-CFTR; confocal imaging of green fluorescent protein-labeled CFTR ion channels)

L6 ANSWER 6 OF 8 MEDLINE on STN DUPLICATE 2

ACCESSION NUMBER: 2000107094 MEDLINE

DOCUMENT NUMBER: 20107094 PubMed ID: 10639456

TITLE: Impact of heterogeneity within cultured cells on bacterial invasion: analysis of Pseudomonas aeruginosa and Salmonella enterica serovar typhi entry into MDCK cells by using a green fluorescent protein-labelled cystic fibrosis transmembrane conductance regulator receptor.

AUTHOR: Gerceker A A; Zaidi T; Marks P; Golan D E; Pier G B
CORPORATE SOURCE: Channing Laboratory, Brigham and Women's Hospital, and
Department of Biological Chemistry and Molecular
Pharmacology, Harvard Medical School, Boston, Massachusetts
02115, USA.
CONTRACT NUMBER: AI22806 (NIAID)
HL32854 (NHLBI)
HL58398 (NHLBI)

+
SOURCE: INFECTION AND IMMUNITY, (2000 Feb) 68 (2) 861-70.
Journal code: 0246127. ISSN: 0019-9567.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200002
ENTRY DATE: Entered STN: 20000218
Last Updated on STN: 20000218
Entered Medline: 20000210

AB . . . as a receptor for entry of Pseudomonas aeruginosa and Salmonella enterica serovar Typhi into epithelial cells. To evaluate heterogeneity in **CFTR** protein expression in cultured cells and the effect of heterogeneity on internalization of different P. aeruginosa and serovar Typhi strains, . . . microscopy to study bacterial uptake by Madin-Darby canine kidney (MDCK) type I epithelial cells stably expressing a green fluorescent protein (**GFP**)-**CFTR fusion** construct (MDCK-**GFP-CFTR** cells). We found a strong correlation between cell size and GFP-**CFTR** protein expression, with 60 to 70% of cells expressing. . .

L6 ANSWER 7 OF 8 MEDLINE on STN DUPLICATE 3
ACCESSION NUMBER: 1999191992 MEDLINE
DOCUMENT NUMBER: 99191992 PubMed ID: 10094204
TITLE: High-efficiency transfer of cystic fibrosis transmembrane conductance regulator cDNA into cystic fibrosis airway cells in culture using lactosylated polylysine as a vector.
AUTHOR: Kollen W J; Mulberg A E; Wei X; Sugita M; Raghuram V; Wang J; Foskett J K; Glick M C; Scanlin T F
CORPORATE SOURCE: Department of Pediatrics, University of Pennsylvania School of Medicine, The Children's Hospital of Philadelphia, 19104-4318, USA.
SOURCE: HUMAN GENE THERAPY, (1999 Mar 1) 10 (4) 615-22.
Journal code: 9008950. ISSN: 1043-0342.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199904
ENTRY DATE: Entered STN: 19990517
Last Updated on STN: 19990517
Entered Medline: 19990430

AB . . . primary cells. Antibody pAb3145 was used to detect the expression of the **CFTR** protein in the cells. When an N-terminal **GFP-CFTR fusion** gene was used to transfect the CF cells a functional correction of the **CFTR** Cl⁻ channel was detected by patch-clamp electrophysiology. The high efficiency of **CFTR** gene transfer with lactosylated polylysine leads to the. . .

L6 ANSWER 8 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1999:509200 BIOSIS
DOCUMENT NUMBER: PREV199900509200
TITLE: The cellular distribution of the C-terminus of **CFTR** is altered by interaction with NHERF via a PDZ domain.
AUTHOR(S): Milewski, M. I. [Reprint author]; Mickle, J. E. [Reprint

author]; Forrest, J. K. [Reprint author]; Cheng, J.; Moyer, B.; Li, M.; Stanton, B.; Guggino, W.; Cutting, G. R. [Reprint author]

CORPORATE SOURCE: Inst Genetic Medicine, JHU Sch Med, Baltimore, MD, USA
SOURCE: American Journal of Human Genetics, (Oct., 1999) Vol. 65, No. 4, pp. A54. print.
Meeting Info.: 49th Annual Meeting of the American Society of Human Genetics. San Francisco, California, USA. October 19-23, 1999. The American Society of Human Genetics.
CODEN: AJHGAG. ISSN: 0002-9297.

DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Slide)

LANGUAGE: English

ENTRY DATE: Entered STN: 3 Dec 1999

Last Updated on STN: 3 Dec 1999

IT

Fibrosis (MeSH)

IT Chemicals & Biochemicals

cystic fibrosis transmembrane conductance regulator.[CFTR]: C-terminus
cellular distribution, biogenesis, mislocalization, mutations; CAL:
expression; **GFP-CFTR C-ter fusion**
proteins; NHERF [sodium proton exchanger regulatory factor]:
co-expression, expression; PDZ proteins: binding motif